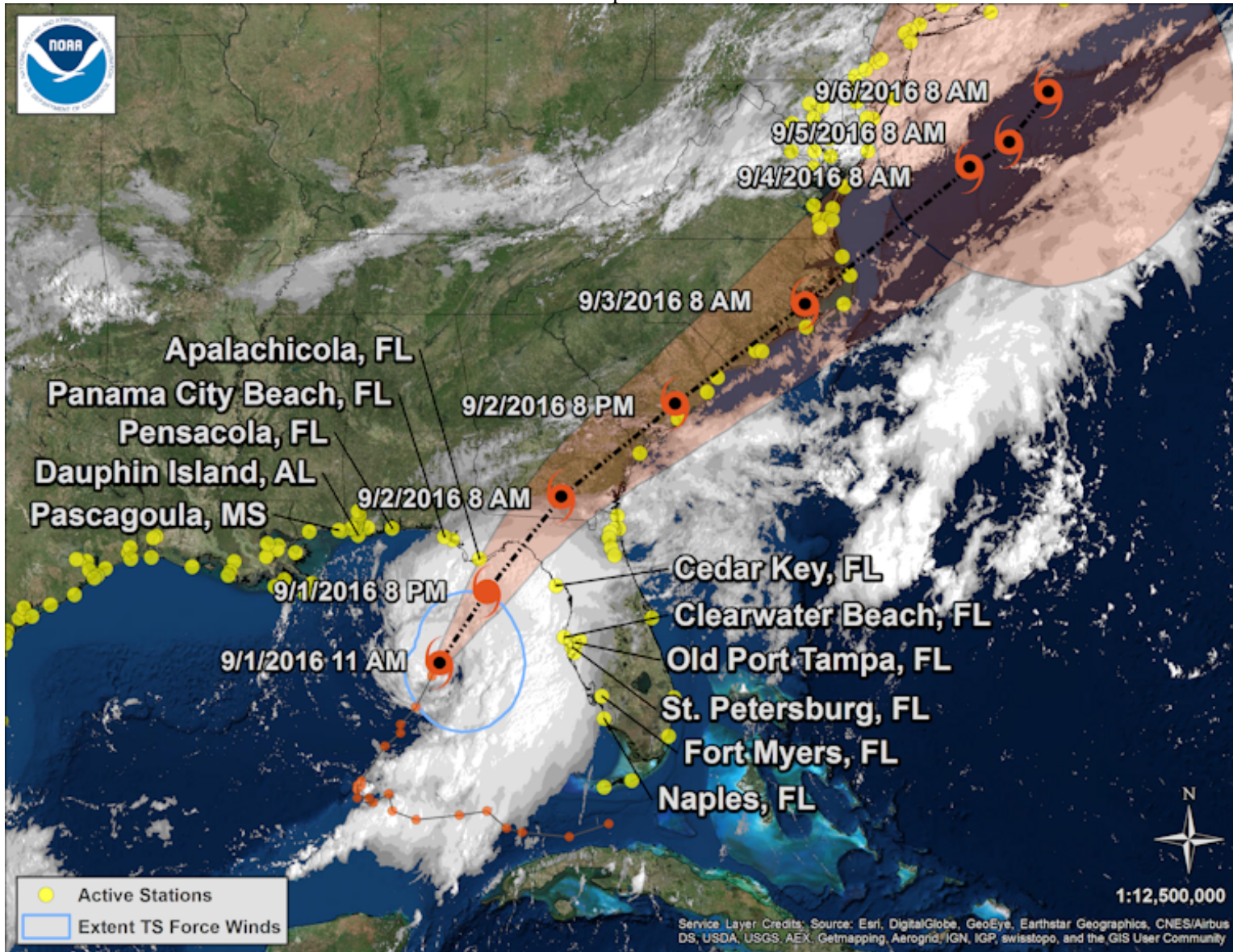




# Tropical Storm HERMINE QuickLook

Posted: 11:00 CDT 09/01/2016

## NOAA and NOAA Partnership Stations Relative to the Storm



## Storm Analysis

As of 9/1/2016 11:00 CDT, water levels continue to be elevated along the Gulf Coast and range between 1.2 and 2.2 feet above normal tide levels from Mississippi to southwest Florida. Winds have increased a bit this morning and are running 12-25 knots with higher gusts over 30 knots at times. Barometric pressure is steady or falling at stations across the Gulf Coast at this time.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: CRD

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:BULLETIN

TROPICAL STORM HERMINE ADVISORY NUMBER 16  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
1000 AM CDT THU SEP 01 2016

...HERMINE HEADING FOR THE NORTH FLORIDA GULF COAST...  
...LIFE-THREATENING SURGE AND FLOODING RAINS EXPECTED...

SUMMARY OF 1000 AM CDT INFORMATION  
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LOCATION...27.4N 86.0W  
ABOUT 170 MI... SSW OF APALACHICOLA FLORIDA  
ABOUT 220 MI... W OF TAMPA FLORIDA  
MAXIMUM SUSTAINED WINDS...65 MPH

PRESENT MOVEMENT...NNE OR 30 DEGREES AT 14 MPH

MINIMUM CENTRAL PRESSURE...991 MB...29.27 INCHES

WATCHES AND WARNINGS  
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CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning has been extended northward for the Atlantic coast to Surf City North Carolina. A Tropical Storm Watch has been issued north of Surf City to Oregon Inlet North Carolina, including Pamlico Sound. The Hurricane Watch and Tropical Storm Warning have been discontinued west of the Walton/Bay County line.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Hurricane Warning is in effect for...

- \* Suwannee River to Mexico Beach

A Hurricane Watch is in effect for...

- \* Anclote River to Suwannee River
- \* West of Mexico Beach to the Walton/Bay County line

A Tropical Storm Warning is in effect for...

- \* Anclote River to Suwannee River
- \* West of Mexico Beach to the Walton/Bay County line
- \* Marineland to Surf City

A Tropical Storm Watch is in effect for...

\* North of Surf City to Oregon Inlet, including Pamlico Sound

Interests elsewhere along the United States mid-Atlantic and northeast coast should monitor the progress of this system.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

## DISCUSSION AND 48-HOUR OUTLOOK

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At 1000 AM CDT, the center of Tropical Storm Hermine was located near latitude 27.4 North, longitude 86.0 West. Hermine is moving toward the north-northeast near 14 mph, and this motion with a slight increase in forward speed is expected during the next day or so. On the forecast track, the center of Hermine will be near the Florida coast in the hurricane warning area tonight or early Friday.

Maximum sustained winds are near 65 mph with higher gusts. Additional strengthening is anticipated, and Hermine is expected to be a hurricane by the time landfall occurs.

Tropical-storm-force winds extend outward up to 140 miles from the center.

An Air Force Hurricane Hunter aircraft recently reported a minimum central pressure of 991 mb.

## HAZARDS AFFECTING LAND

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WIND: Hurricane conditions are expected to reach the coast within the warning area beginning tonight. Winds are expected to first reach tropical storm strength by this afternoon, making outside preparations difficult or dangerous. Preparations to protect life and property should be rushed to completion. Tropical storm conditions are expected to begin within the warning area along the Atlantic coast on Friday, and spread northward through Friday evening. Tropical storm conditions are possible in the tropical storm watch area by Friday night and Saturday.

STORM SURGE: The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. There is a danger of life-threatening inundation within the next 12 to 24 hours along the Gulf coast of Florida from Aripeka to Indian Pass. For a depiction of areas at risk, please see the Prototype National Weather Service Storm Surge Watch/Warning Graphic. Persons located within these areas should take all necessary actions to protect life and property from rising water. Promptly follow any instructions, including evacuation orders, from local officials.

The water could reach the following heights above ground if the peak surge occurs at the time of high tide...

Destin to Indian Pass...1 to 3 feet

Indian Pass to Ochlockonee River...4 to 7 feet

Ochlockonee River to Keaton Beach...5 to 8 feet

Keaton Beach to Chassahowitzka...4 to 7 feet

Chassahowitzka to Aripeka...2 to 4 feet

Aripeka to Bonita Beach...including Tampa Bay...1 to 3 feet

Florida-Georgia line to Cape Fear...1 to 3 feet

The Prototype National Weather Service Storm Surge Watch/Warning Graphic is a depiction of areas that would qualify for inclusion under a storm surge watch or warning currently under development by the National Weather Service and planned for operational use in 2017. This prototype graphic is available at [www.hurricanes.gov/graphics\\_at4.shtml?wsurge](http://www.hurricanes.gov/graphics_at4.shtml?wsurge)

**RAINFALL:** Hermine is expected to produce storm total rainfall accumulations of 5 to 10 inches over portions of northwest Florida and southern Georgia through Friday, with possible isolated maximum amounts of 20 inches. On Friday and Saturday, Hermine is expected to produce totals of 4 to 8 inches with isolated maximum amounts of 10 inches possible across portions of eastern Georgia, South Carolina, and eastern North Carolina through Saturday. These rains may cause life-threatening flash flooding.

**TORNADOES:** A few tornadoes are possible this afternoon into Friday morning over north Florida and southeast Georgia. The tornado risk will continue across the eastern Carolinas from Friday morning into Friday night.

#### NEXT ADVISORY

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Next intermediate advisory at 100 PM CDT.

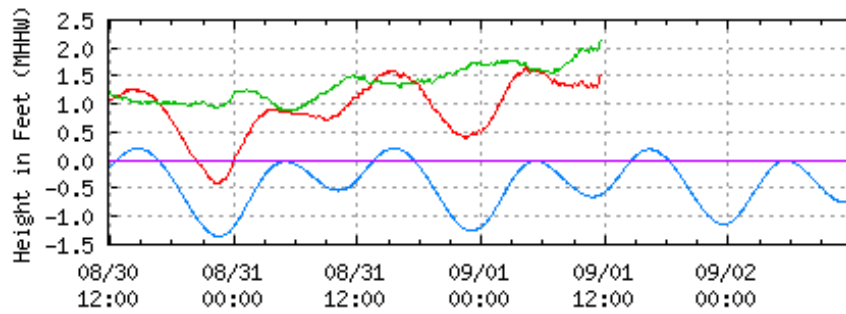
Next complete advisory at 400 PM CDT.

Forecaster Pasch

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#), [Clearwater Beach - Water Level](#), [Clearwater Beach - Winds](#), [Clearwater Beach - Barometric](#), [St Petersburg, Tampa Bay - Water Level](#), [St Petersburg, Tampa Bay - Winds](#), [St Petersburg, Tampa Bay - Barometric](#), [Old Port Tampa - Water Level](#), [Old Port Tampa - Winds](#), [Old Port Tampa - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [Naples - Water Level](#), [Naples - Barometric](#), [Panama City Beach - Water Level](#), [Panama City Beach - Winds](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Pascagoula NOAA Lab - Water Level](#)

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 09/01/2016 11:42 (EDT). Data relative to MHHW

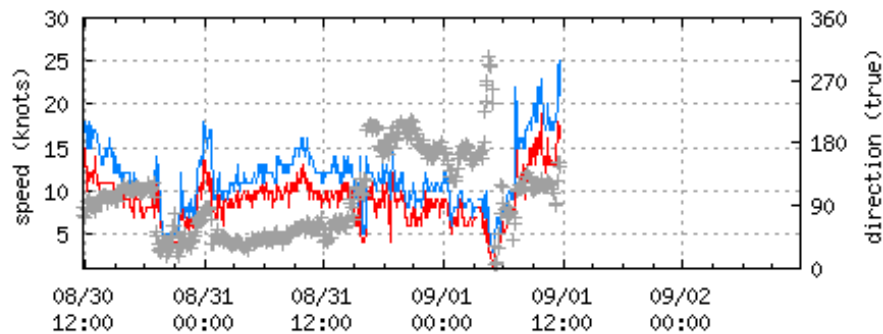
Observed: 1.54 ft. Predicted: -0.60 ft. Residual: 2.14 ft.

Historical Maximum Water Level: Jul 10 2005, 6.43 ft.

Next High Tide: 09/01/2016 16:23 (EDT), 0.19 ft.

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL

Wind Speed / Gusts / Direction

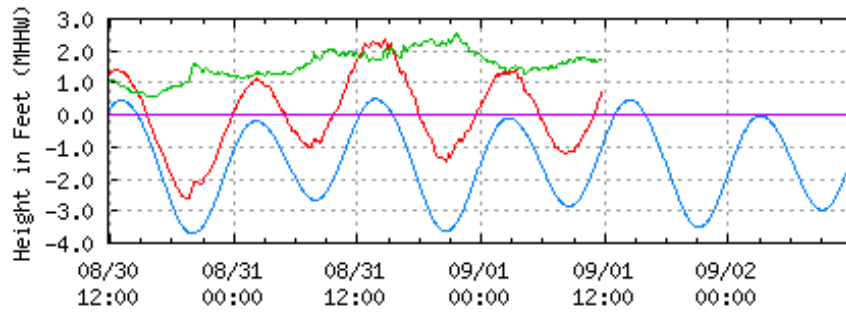


speed — gusts — direction +

Last Observed Sample: 09/01/2016 11:42 (EDT)

Wind Speed: 16 knots Gusts: 21 knots Direction: 145° T

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

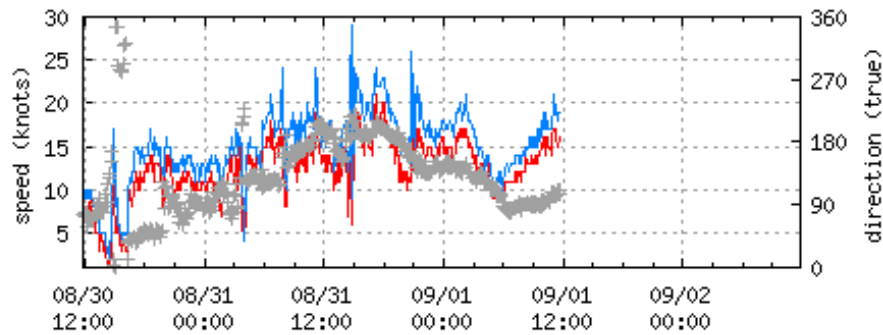
Last Observed Sample: 09/01/2016 11:42 (EDT). Data relative to MHHW

Observed: 0.69 ft. Predicted: -1.02 ft. Residual: 1.71 ft.

Historical Maximum Water Level: Oct 7 1996, 5.15 ft.

Next High Tide: 09/01/2016 14:28 (EDT), 0.47 ft.

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL  
Wind Speed / Gusts / Direction



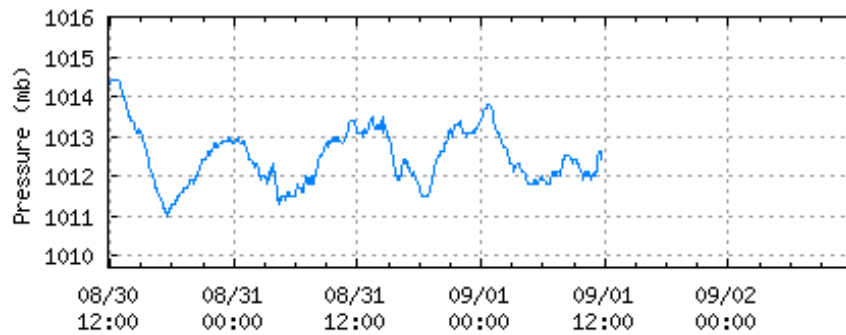
speed — gusts — direction +

Last Observed Sample: 09/01/2016 11:42 (EDT)

Wind Speed: 16 knots Gusts: 19 knots Direction: 105° T

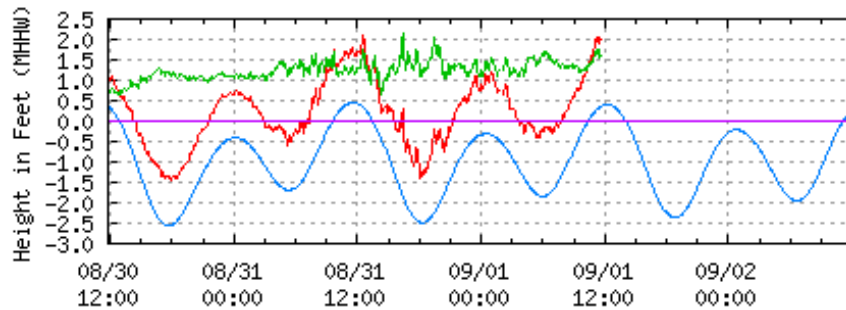


NOAA/NOS/CO-OPS 8727520 Cedar Key, FL  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 09/01/2016 11:42 (EDT)  
Barometric Pressure: 1012.4 mb

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 09/01/2016 11:36 (EDT). Data relative to MHHW

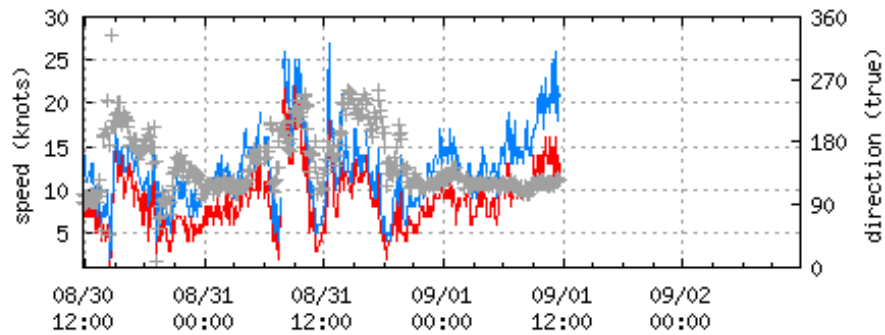
Observed: 1.98 ft. Predicted: 0.36 ft. Residual: 1.62 ft.

Historical Maximum Water Level: Mar 13 1993, 4.00 ft.

Next High Tide: 09/01/2016 12:14 (EDT), 0.40 ft.

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

Wind Speed / Gusts / Direction



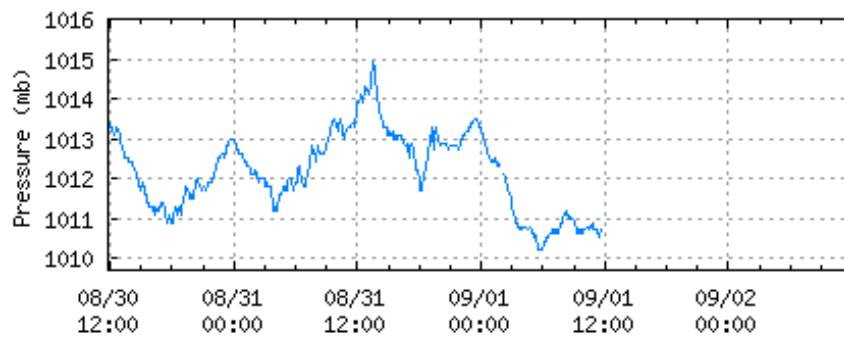
speed — gusts — direction +

Last Observed Sample: 09/01/2016 11:36 (EDT)

Wind Speed: 12 knots Gusts: 21 knots Direction: 127° T

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

Barometric Pressure



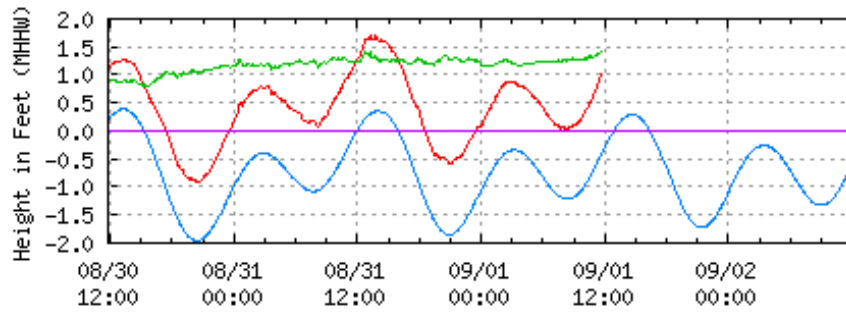
barometric pressure —

Last Observed Sample: 09/01/2016 11:36 (EDT)

Barometric Pressure: 1010.7 mb



NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

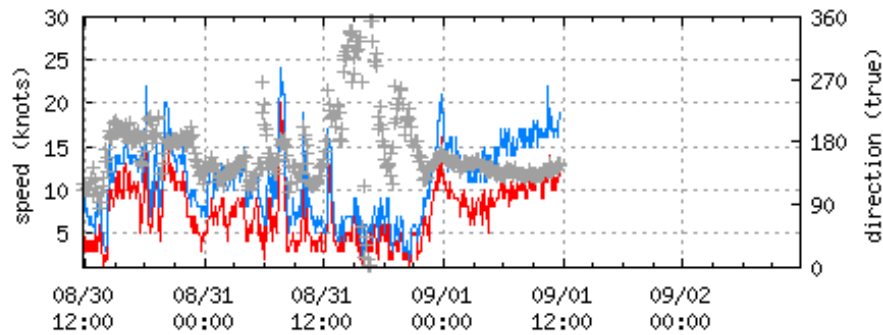
Last Observed Sample: 09/01/2016 11:42 (EDT). Data relative to MHHW

Observed: 1.02 ft. Predicted: -0.41 ft. Residual: 1.43 ft.

Historical Maximum Water Level: Aug 31 1985, 4.00 ft.

Next High Tide: 09/01/2016 14:41 (EDT), 0.29 ft.

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL  
Wind Speed / Gusts / Direction

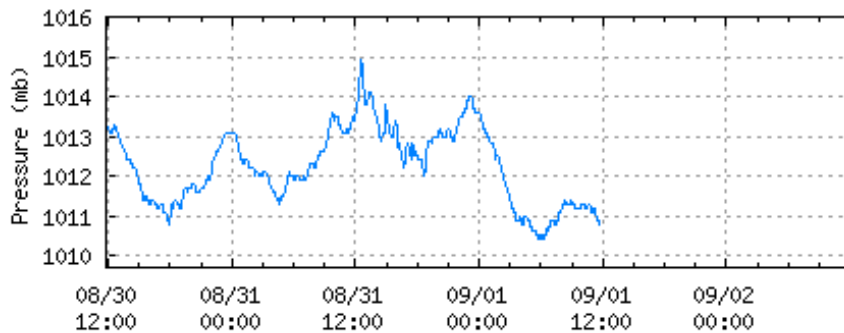


speed — gusts — direction +

Last Observed Sample: 09/01/2016 11:42 (EDT)

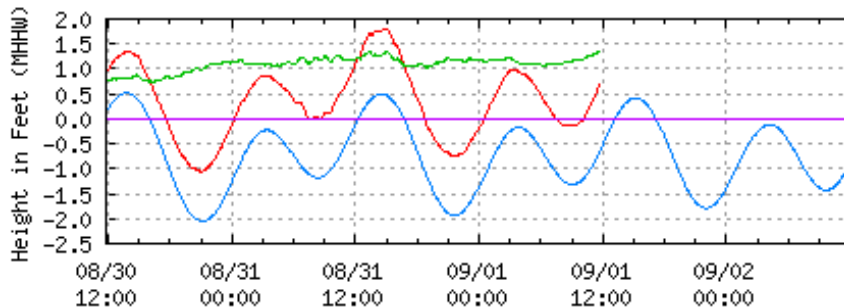
Wind Speed: 13 knots Gusts: 19 knots Direction: 149° T

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 09/01/2016 11:42 (EDT)  
Barometric Pressure: 1010.8 mb

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

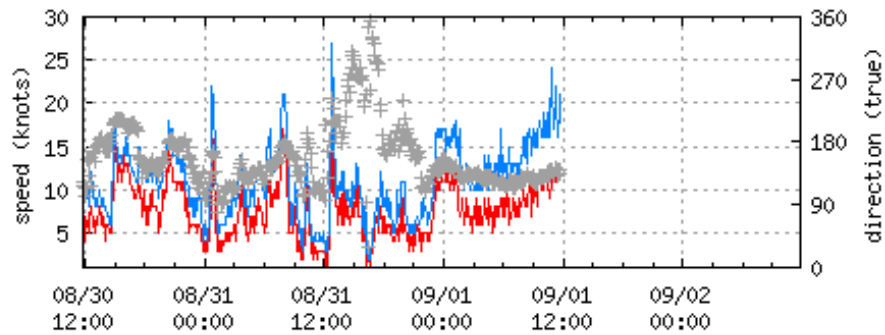
Last Observed Sample: 09/01/2016 11:42 (EDT). Data relative to MHHW

Observed: 0.68 ft. Predicted: -0.65 ft. Residual: 1.33 ft.

Historical Maximum Water Level: Oct 8 1996, 3.60 ft.

Next High Tide: 09/01/2016 15:14 (EDT), 0.42 ft.

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL  
Wind Speed / Gusts / Direction

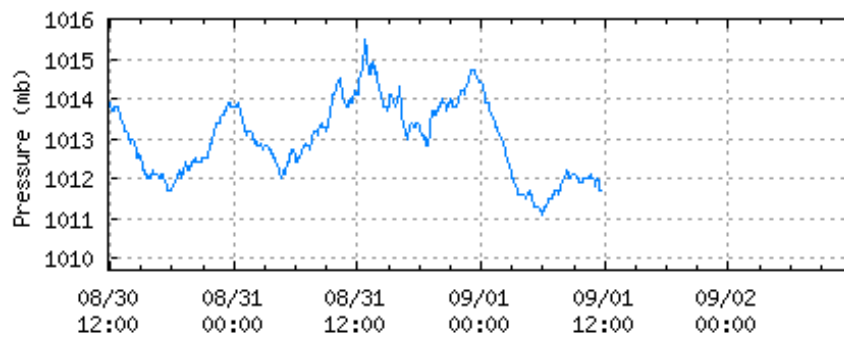


speed — gusts — direction +

Last Observed Sample: 09/01/2016 11:42 (EDT)

Wind Speed: 12 knots Gusts: 21 knots Direction: 141° T

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL  
Barometric Pressure

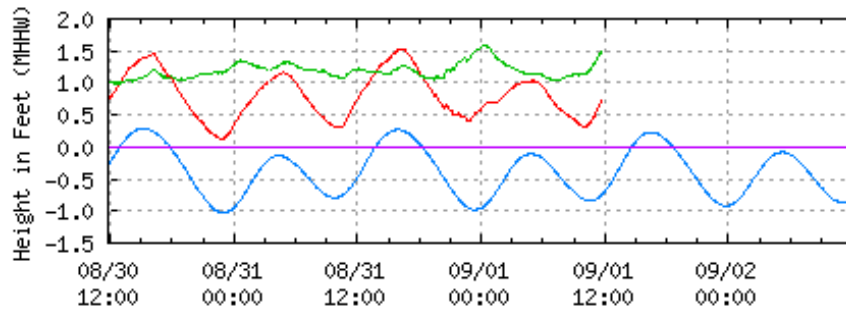


barometric pressure —

Last Observed Sample: 09/01/2016 11:42 (EDT)

Barometric Pressure: 1011.7 mb

NOAA/NOS/CO-OPS 8725520 Fort Myers, FL  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

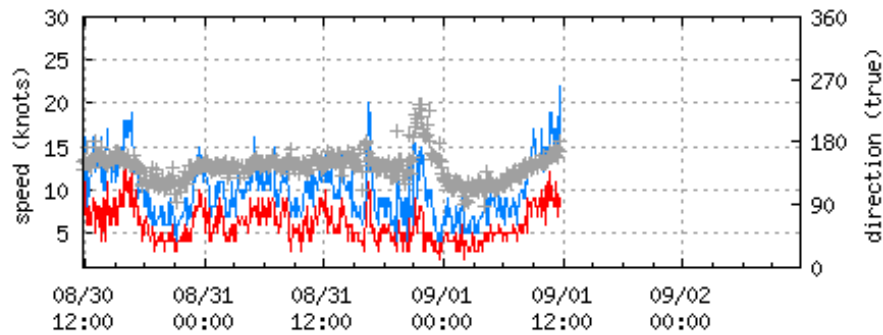
Last Observed Sample: 09/01/2016 11:42 (EDT). Data relative to MHHW

Observed: 0.73 ft. Predicted: -0.75 ft. Residual: 1.48 ft.

Historical Maximum Water Level: Nov 23 1988, 3.41 ft.

Next High Tide: 09/01/2016 16:30 (EDT), 0.23 ft.

NOAA/NOS/CO-OPS 8725520 Fort Myers, FL  
Wind Speed / Gusts / Direction

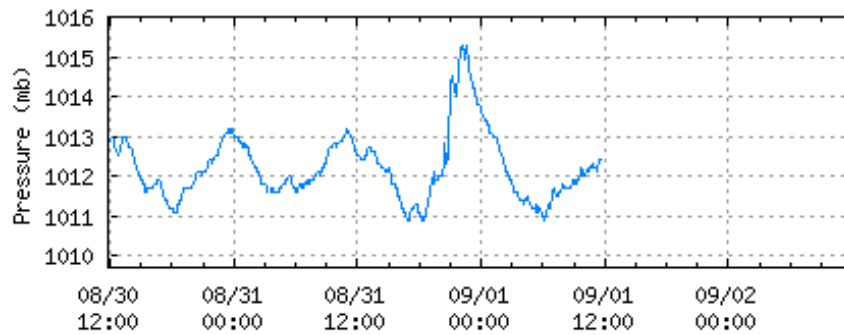


speed — gusts — direction +

Last Observed Sample: 09/01/2016 11:42 (EDT)

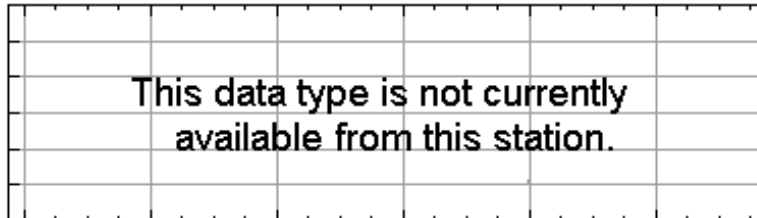
Wind Speed: 8 knots Gusts: 15 knots Direction: 166° T

NOAA/NOS/CO-OPS 8725520 Fort Myers, FL  
Barometric Pressure



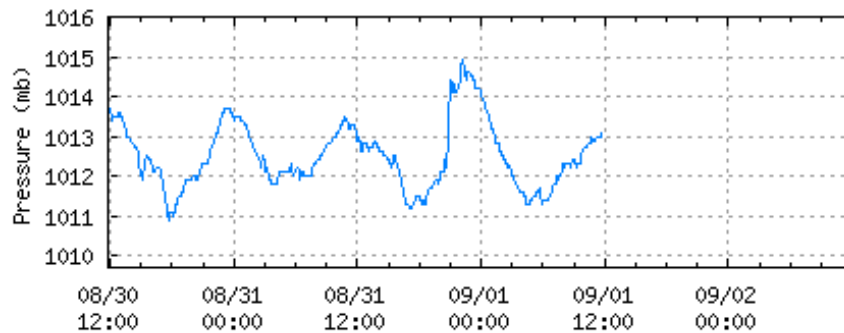
barometric pressure —  
Last Observed Sample: 09/01/2016 11:42 (EDT)  
Barometric Pressure: 1012.4 mb

NOAA/NOS/CO-OPS 8725110 Naples, FL  
NOAA/NOS/CO-OPS



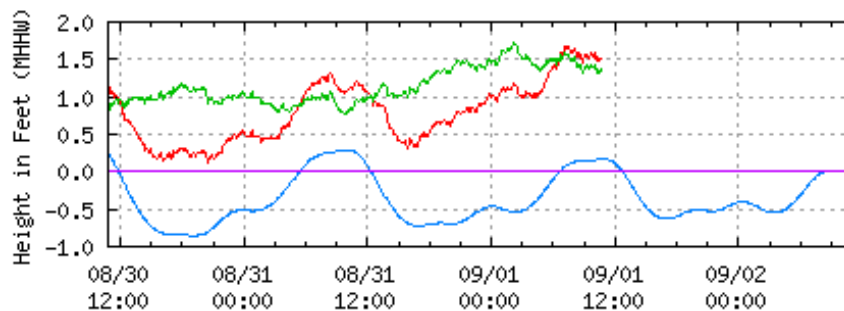
Last Observed Sample: 09/01/2016 11:42 (EDT). Data relative to MHHW  
Observed: 1.26 ft. Predicted: 0.27 ft. Residual: 0.99 ft.  
Historical Maximum Water Level: Dec 21 1972, 3.11 ft.  
Next High Tide: 09/01/2016 12:50 (EDT), 0.46 ft.

NOAA/NOS/CO-OPS 8725110 Naples, FL  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 09/01/2016 11:42 (EDT)  
Barometric Pressure: 1013.1 mb

NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 09/01/2016 10:42 (CDT). Data relative to MHHW

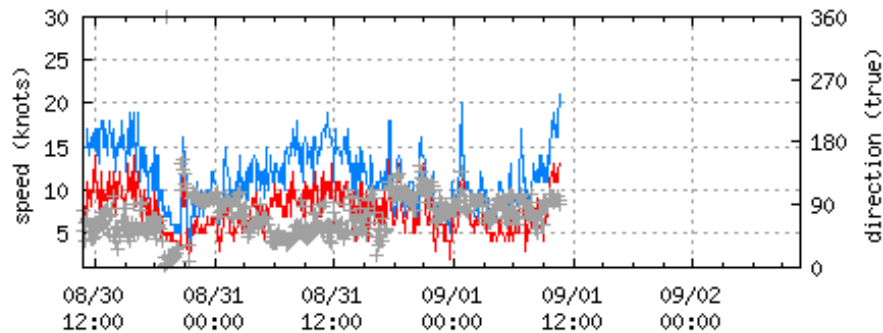
Observed: 1.52 ft. Predicted: 0.16 ft. Residual: 1.36 ft.

Historical Maximum Water Level: Oct 4 1995, 6.84 ft.

Next High Tide: 09/01/2016 10:52 (CDT), 0.17 ft.

NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL

Wind Speed / Gusts / Direction



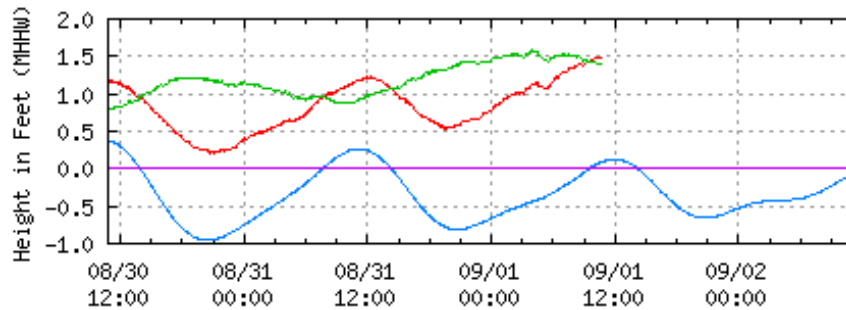
speed — gusts — direction +

Last Observed Sample: 09/01/2016 10:42 (CDT)

Wind Speed: 13 knots Gusts: 21 knots Direction: 96° T

NOAA/NOS/CO-OPS 8729840 Pensacola, FL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —

Observed WL —

(Obs-Pred) —

MHHW —

Last Observed Sample: 09/01/2016 10:36 (CDT). Data relative to MHHW

Observed: 1.48 ft. Predicted: 0.08 ft. Residual: 1.40 ft.

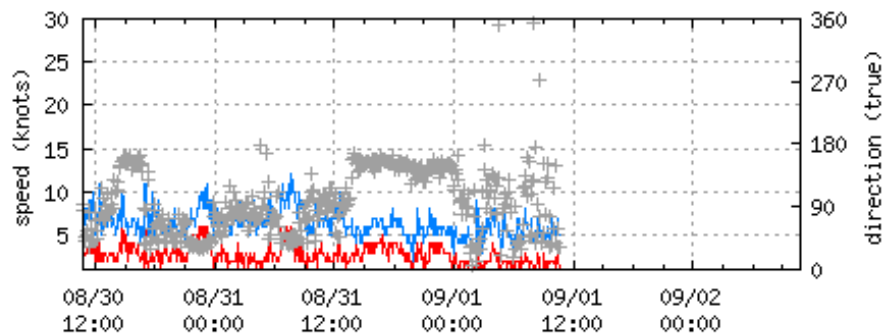
Historical Maximum Water Level: Sep 18 1926, 7.41 ft.

Next High Tide: 09/01/2016 11:58 (CDT), 0.13 ft.



NOAA/NOS/CO-OPS 8729840 Pensacola, FL

Wind Speed / Gusts / Direction



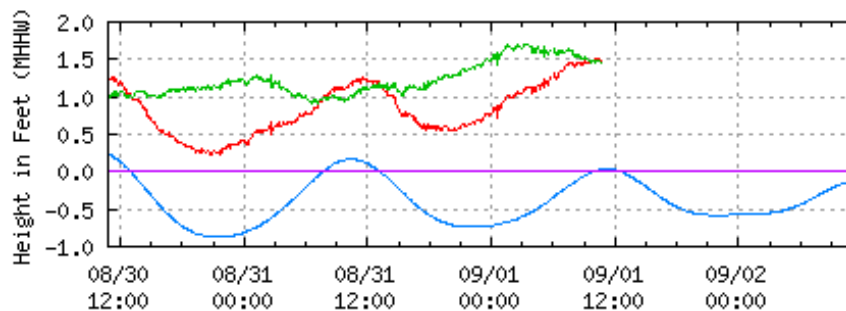
speed — gusts — direction +

Last Observed Sample: 09/01/2016 10:36 (CDT)

Wind Speed: 1 knots Gusts: 5 knots Direction: 32° T

NOAA/NOS/CO-OPS 8735180 Dauphin Island, AL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —  
Observed WL —

(Obs-Pred) —  
MHHW —

Last Observed Sample: 09/01/2016 10:36 (CDT). Data relative to MHHW

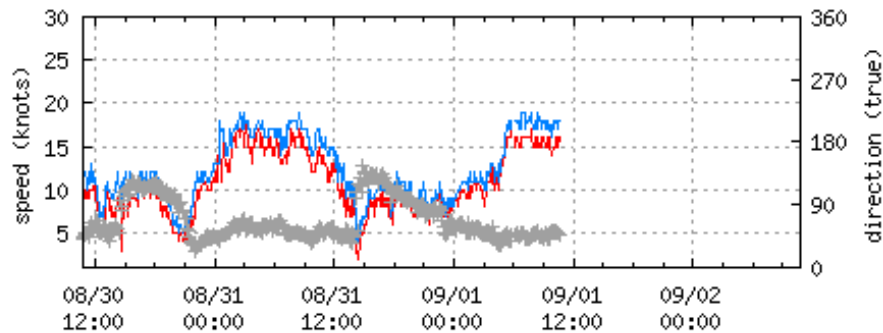
Observed: 1.49 ft. Predicted: 0.03 ft. Residual: 1.46 ft.

Historical Maximum Water Level: Sep 16 2004, 5.94 ft.

Next High Tide: 09/01/2016 11:12 (CDT), 0.04 ft.

NOAA/NOS/CO-OPS 8735180 Dauphin Island, AL

Wind Speed / Gusts / Direction



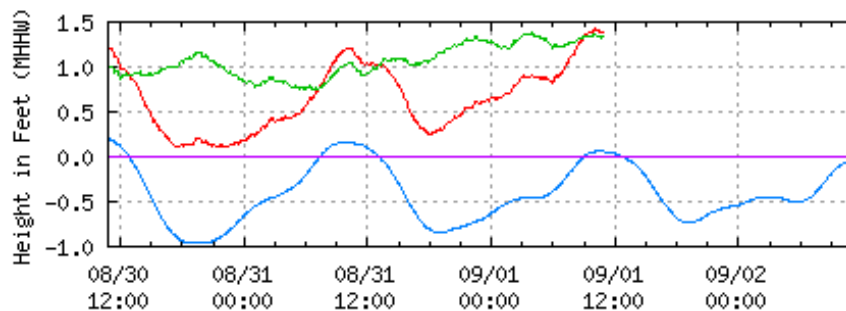
speed — gusts — direction +

Last Observed Sample: 09/01/2016 10:36 (CDT)

Wind Speed: 16 knots Gusts: 18 knots Direction: 47° T

NOAA/NOS/CO-OPS 8741533 Pascagoula NOAA Lab, MS

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —  
Observed WL —

(Obs-Pred) —  
MHHW —

Last Observed Sample: 09/01/2016 10:48 (CDT). Data relative to MHHW

Observed: 1.39 ft. Predicted: 0.06 ft. Residual: 1.33 ft.

Historical Maximum Water Level: Sep 1 2008, 4.90 ft.

Next High Tide: 09/02/2016 02:53 (CDT), -0.44 ft.

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8728690	Apalachicola, FL	09/01/2016 11:42 (EDT)	1.54 ft	-0.60 ft	2.14 ft	1.65 ft
8727520	Cedar Key, FL	09/01/2016 11:42 (EDT)	0.69 ft	-1.02 ft	1.71 ft	2.35 ft
8726724	Clearwater Beach, FL	09/01/2016 11:36 (EDT)	1.98 ft	0.36 ft	1.62 ft	2.09 ft
8726520	St Petersburg, Tampa Bay, FL	09/01/2016 11:42 (EDT)	1.02 ft	-0.41 ft	1.43 ft	1.70 ft
8726607	Old Port Tampa, FL	09/01/2016 11:42 (EDT)	0.68 ft	-0.65 ft	1.33 ft	1.81 ft
8725520	Fort Myers, FL	09/01/2016 11:42 (EDT)	0.73 ft	-0.75 ft	1.48 ft	1.52 ft
8725110	Naples, FL	09/01/2016 11:42 (EDT)	1.26 ft	0.27 ft	0.99 ft	1.37 ft
8729210	Panama City Beach, FL	09/01/2016 10:42 (CDT)	1.52 ft	0.16 ft	1.36 ft	1.67 ft
8729840	Pensacola, FL	09/01/2016 10:36 (CDT)	1.48 ft	0.08 ft	1.40 ft	1.48 ft
8735180	Dauphin Island, AL	09/01/2016 10:36 (CDT)	1.49 ft	0.03 ft	1.46 ft	1.51 ft
8741533	Pascagoula NOAA Lab, MS	09/01/2016 10:48 (CDT)	1.39 ft	0.06 ft	1.33 ft	1.42 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce